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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/588,699

03/09/2007

Martin Johansson

5998-0505PUS3

2425

54080

7590

01/25/2008

BIRCH, STEWART, KOLASCH & BIRCH, LLP
P.O. BOX 747
8110 GATEHOUSE ROAD, SUITE 500 EAST
FALLS CHURCH, VA 22040-0747

EXAMINER

COLEMAN, BRENDA LIBBY

ART UNIT

PAPER NUMBER

1624

MAIL DATE

DELIVERY MODE

01/25/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/588,699	Applicant(s) JOHANSSON ET AL.	
	Examiner Brenda L. Coleman	Art Unit 1624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 and 29-38 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-27 and 29-38 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claims 1-27 and 29-38 are pending in the application.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-13, 15, 16, 21-23, 25-27 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is S; X^9 is CR^5 ; and X^{10} is a bond.

Group II, claim(s) 1-13, 16, 21, 25 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is O; X^9 is CR^5 ; and X^{10} is a bond.

Group III, claim(s) 1-14, 16, 17, 25-27 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is CR^5 ; and X^{10} is NR^5 .

Group IV, claim(s) 1-14, 16, 18, 25 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is CR^5 ; and X^{10} is O.

Group V, claim(s) 1-14, 16, 25 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is CR^5 ; and X^{10} is S.

Group VI, claim(s) 1-14, 20, 24-27 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is NR^5 ; and X^{10} is $(CR^5R^6)_2$.

Group VII, claim(s) 1-14, 16, 21, 25-27 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is CR^5 ; and X^{10} is a bond.

Group VIII, claim(s) 1-14, 24, 25 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) where X^7 is N; X^8 is a bond; X^9 is NR^5 ; and X^{10} is a bond.

Group IX, claim(s) 1-27 and 29-38, drawn to the compounds, compositions and method of use of the compounds of formula (I) not embraced by Groups I-VIII outlined above.

The inventions listed as Groups I-IX do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The compounds of Groups I-VIII are directed to structurally dissimilar compounds such that the core of the structure is simply the presence of two rings of which contain variables, a reference anticipating one invention, would not render obvious the other, for example a compound where X^7 is N; X^8 is a bond; X^9 is NR^5 ; and X^{10} is $(CR^5R^6)_2$ is different from a compound where X^7 is N; X^8 is a bond; X^9 is NR^5 ; and X^{10} is a bond, etc.. Thus, separate searches in the literature as well as in the U.S. Patent Classification System would be required. Each group's compounds are made and used independently of each other and could support separate patents. The compounds differ significantly in chemical structures. One skilled in

the art would not consider such diverse structures as functional equivalents of each other. The mere fact that there is a single similarity is not in itself a significant reason to render the whole embodiment obvious.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

If Group IX is elected further restriction to a particular core and/or election of species would be required by the examiner.

Tentative election of a single species within the elected group is further required.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda L. Coleman whose telephone number is 571-272-0665. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brenda L. Coleman/
Primary Examiner, Art Unit 1624